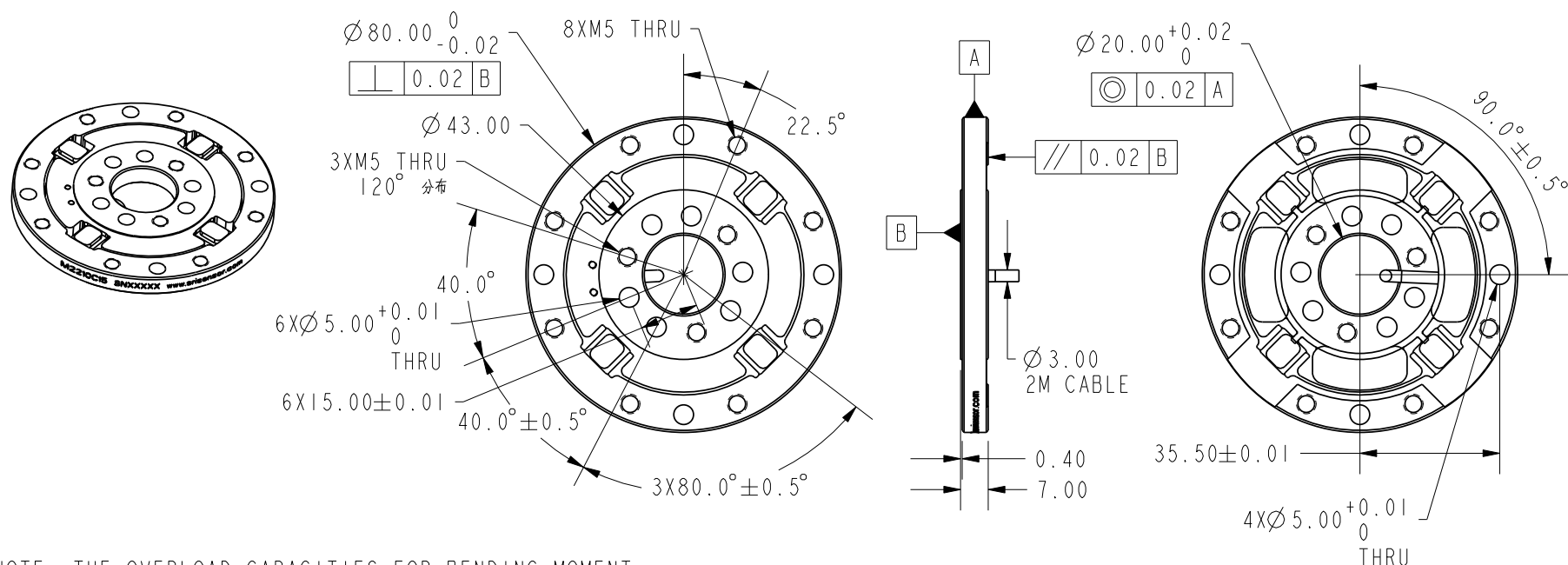
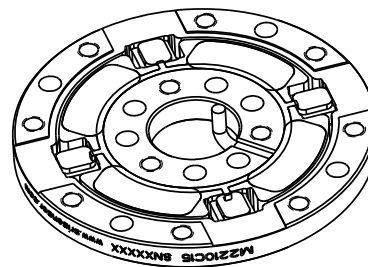




NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 300% OF THOSE USED FOR CROSSTALK MEASUREMENT

### SPECIFICATIONS

|                                   |             |
|-----------------------------------|-------------|
| CAPACITY (Nm)                     | 100         |
| OVERLOAD CAPACITY (%F.S.)         | 300         |
| OUTPUT @ F.S. (V) NOMINAL         | 2.5±2       |
| POWER SUPPLY (V)                  | 5V          |
| BRIDGE RESISTANCE (Ω) NOMINAL     | 350         |
| NON-LINEARITY (%F.S.)             | 0.5         |
| HYSTERESIS (%F.S.)                | 1.0         |
| OPERATING TEMP. RANGE (°C)        | -20 TO +100 |
| CROSSTALK (%F.S.)                 | 1.0         |
| AXIAL FORCE FOR CROSSTALK (N)     | 300         |
| RADIAL FORCE FOR CROSSTALK (N)    | 500         |
| BENDING MOMENT FOR CROSSTALK (Nm) | 50          |
| TORSION ANGLE (CALCULATED)        | 0.04°       |
| TORSIONAL STIFFNESS (KNm/RAD)     | 115         |
| BENDING STIFFNESS (KNm/RAD)       | 28          |
| MASS (KG)                         | 0.18        |



DRAWING IN THIRD ANGLE PROJECTION

### WIRING CODE

| COLOR | FUNCTION |
|-------|----------|
| RED   | +EX      |
| GREEN | +SIG     |
| BLACK | GND      |
| BROWN | -SIG     |

**SUNRISE INSTRUMENTS**

**[www.srisensor.com](http://www.srisensor.com)**

SINGLE AXIS TORQUE LOADCELL  
D80MM, 100 Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2210C15

REV.  
A